

CORRES. CONTROL
INCOMING LTR NO.

00543 RF.04

DUE DATE
ACTION



Department of Energy

**ROCKY FLATS PROJECT OFFICE
10808 HIGHWAY 93, UNIT A
GOLDEN, COLORADO 80403-8200**

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2004 NOV 10 A 10: 14

CORRESPONDENCE
CONTROL

04-DOE-00823

[illegible]

Mr. Steven H. Gunderson
Rocky Flats Cleanup Agreement Project Coordinator
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

Dear Mr. Gunderson:

Please find enclosed a completed Rocky Flats Cleanup Agreement Type 1 Building Disposition Closeout Report provided for your information for Building 944 (AKA Tent 14).

Questions may be directed to Gary Morgan at (303) 966-6003.

Sincerely,

Joseph A. Legare, Director
RFPO Project Management

Enclosure

cc w/o Encl.:
F. Lockhart, OOM, RFPO
G. Morgan, RFPM, RFPO
S. Nesta, K-H RISS Env
C. Freiboth, K-H RISS D&D
K. Wiemelt, K-H RISS D&D
M. Aguilar, USEPA
D. Abelson, RFCLOG

cc w/Encl.:
Administrative Record

Reviewed for Addressee
Corres. Control RFP

11/10/04
Date

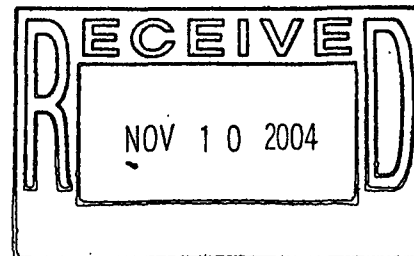
By

Ref. Ltr. #

04BFG1082

DOE ORDER #

5400.1



ADMIN RECORD

BZ-A-000753



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2004 OCT 27 A 6:22
CORRESPONDENCE
CONTROL

October 19, 2004

04-RF-01082

Gary Morgan, Functional Lead
Cadre Project Management Division
DOE, RFPO

TRANSMITTAL OF CLOSE-OUT REPORT FOR BUILDING 944 (AKA TENT 14)
FEG-039-04

Attached is the Closeout Report for the Type 1 facility Building 944 (aka Tent 14). Please note that a copy of the report has been submitted to the CERCLA AR by the Kaiser-Hill RISS project.

Please contact Steve Nesta x6386 with questions or concerns.

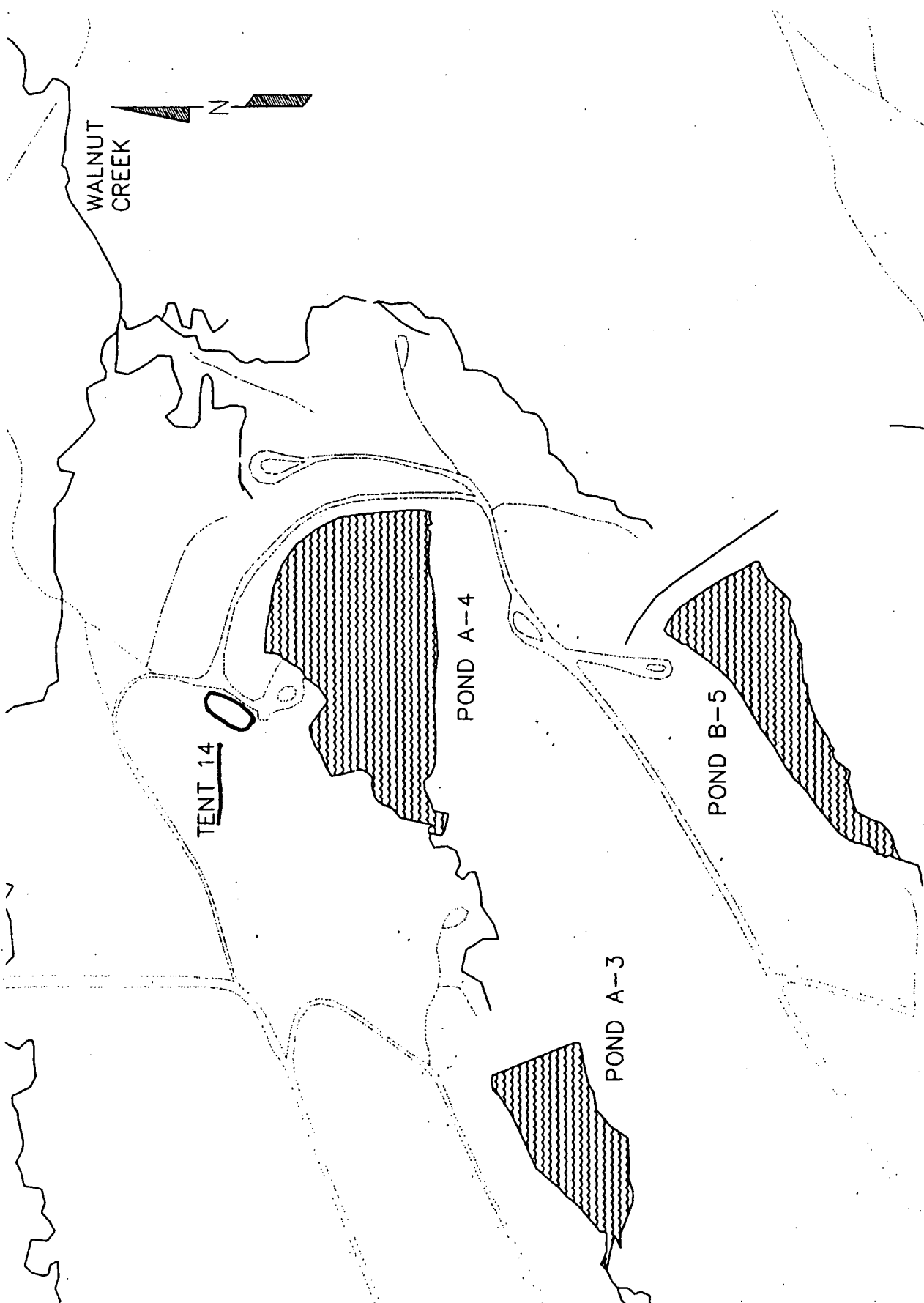
Frank E. Gibbs
Deputy Project Manager
Remediation, Industrial D&D, and Site Services

Attachment:
As Stated

SMN:pvt

Orig. and 1 cc – Gary Morgan

cc:
Joseph Legare





October 28, 2004

04-RF-01105

Joseph A. Legare, Director
Project Management Division
DOE, RFPO

**SITE TREATMENT PLAN (STP) COMPLIANCE ORDER FY04 ANNUAL PROGRESS
REPORT (APR) – JWL-020-04**

Enclosed is the STP Compliance Order APR for the fiscal year 2004 (FY04). The APR is a reporting requirement set forth in the STP Compliance Order No. 95-10-03-01. The report is due to the Colorado Department of Public Health and Environment by October 31, 2004.

This report describes the progress made toward achieving the milestones, work plans and treatment activities presented in the approved FY03 STP Compliance Order APR and Work Plan dated October 31, 2003. The FY04 APR also details the milestones, work plans and activities scheduled for FY05. Significant FY04 achievements include:

1. Shipped 32 intermodals (611 m³) of treated B374 wet slurry (RF-W079) to Envirocare of Utah, Inc. (EOU) for disposal. This waste stream was treated onsite at the 750 Pad pondsludge stabilization process. The shipping milestone for this waste stream is complete.
2. Shipped 2,174 drums (457 m³) of solidified bypass sludge (RF-W009) to Waste Control Specialists (WCS) for stabilization. The shipping milestone for this waste stream is complete. Treatment is complete and resulted in the generation of 501 IP-2 half crates of Land Disposal Restricted (LDR) compliant waste awaiting disposal at Hanford.
3. Shipped 37 containers (26 m³) STP-regulated soil and cleanup debris (RF-W050) to EOC for stabilization and disposal. The shipping milestone for this waste stream is complete.
4. Shipped 1153 containers (351 m³) of STP-regulated debris (RF-W005, RF-W006, RF-W023, RF-W030, RF-W035, RF-W043, RF-W045, RF-W075) to EOC and Pacific EcoSolutions, LLC (PecoS) for treatment and disposal at EOC. The FY04 shipping milestone for this waste stream is complete.
5. Shipped 59 drums (13 m³) of STP-regulated non-debris organic solids (RF-W027) to PermaFix for treatment. The shipping milestone for this waste stream is complete.
6. Shipped 24 drums (6 m³) of mercuric compounds/sludges and 45 containers (6 m³) of STP-regulated waste chemicals (RF-W083) to EOC and PermaFix, including Materials & Energy Corp. (M&EC) and Diversified Scientific Services, Inc. (DSSI) for treatment. The waste chemical shipping milestone is complete.
7. Shipped 190 drums (40 m³) of B374 wet slurry requiring treatment to WCS for stabilization. This waste stream was pre-characterized as transuranic (TRU), but assayed as low level waste.
8. Shipped 40 drums (8.4 m³) of STP-regulated ground glass (RF-W024) debris to EOC for stabilization and disposal.

Kaiser-Hill Company, L.L.C.

Courier Address: Rocky Flats Environmental Technology Site, State Hwy. 93 and Cactus, Rocky Flats, CO 80007 • 303.966.7000

Mailing Address: P.O. Box 464, Golden, Colorado 80402-0464

October 28, 2004
Joseph A. Legare
JWL-020-04
Page 2 of 2

9. Shipped 109 110-gallon drums of treated STP-regulated orphan debris from PEcoS to the Hanford Site for disposal.

The FY05 work plan includes offsite shipment of all remaining STP-regulated waste streams. The following three waste streams will be statused in FY05 STP Quarterly Progress Reports:

1. Debris: The debris waste stream is comprised of Mixed Waste Inventory Reports (MWIRs) RF-W005, RF-W006, RF-W023, RF-W030, RF-W035, RF-W043, RF-W045, and RF-W075. The remaining STP-regulated debris volume is 830 m³.
2. Polychlorinated Biphenyl (PCB) non-debris solids, MWIR RF-W081: In FY04, DOE requested a one year extension to the shipping milestone for this waste stream. The request was predicated upon lack of treatment facilities able to accept Toxic Substances Control Act (TSCA)-regulated Low Level Mixed Waste (LLMW) for thermal treatment. The volume of RF-W081 is 3 m³. RF-W017, PCB liquids, will also be statused in FY05 QPUs. This waste stream was reported as complete in FY02. Waste reassessment as well as PCB liquid generation since FY02 has resulted in a current RF-W017 waste volume of 7.2 m³. This waste stream will be shipped to the Toxic Substances Control Act Incinerator (TSCAI) for destruction.
3. Miscellaneous: The miscellaneous waste stream is proposed in the FY04 APR to include small volumes of waste that are STP-regulated as a result of reassessment, repackaging or waste generation. This waste stream is comprised of MWIRs RF-W016, RF-W017, RF-W027, RF-W046, RF-W071, and RF-W083. The present volume of the miscellaneous waste stream is 9.3 m³, although this volume is expected to be dynamic.

The FY04 APR also addresses issues affecting disposition of Rocky Flats Environmental Technology Site (Site) STP-regulated wastes. The primary issues are: no disposal facility able to receive and dispose of LLMW with a transuranic activity greater than 10 nCi/g, and lack of thermal treatment facilities able to receive and treat TSCA-regulated LLMW. Site staff continues to evaluate alternatives to overcome these issues.

Please direct any questions regarding the FY04 APR to Ray Geimer at extension 2618.



Jerry Long
V.P., Project Manager
Material Stewardship
Kaiser-Hill Company, LLC

JG:erl

Enclosure:
As Stated

Original and 1cc – Joseph A. Legare

COPY



Property



Waste



Sample

RELEASE EVALUATION FORM

Page 1 of 8

Release Evaluation No.: 020801-RISS-001

EXTENDED: NA EXPIRES: NA

Charge No.: EBB42110

PART I
ACKNOWLEDGEMENT

SENDER/CUSTODIAN

Description of Property/Waste/Sample To Be Released/Transferred: Tent 14, Canvas, any frame structure, any associated equipment or material (lighting system, misc. debris, etc)

Current Location: Pond A-4 East Buffer Zone

Destination: SSWP Waste Management, then disposed of at Republic Services of Colorado Front Range Landfill, Erie, CO

New Recipient/Custodian: SSWP Waste Management

History/Process Knowledge: The tent was installed in FY 92 to provide freeze protection and shelter for Pond A-4 Surface Water treatment system (herbicide). The treatment system (tanks & contents) have been characterized (radiologically) for unrestricted released and removed. No radioactive materials have ever been stored in the facility; there are no radiological concerns in the area in which the tent is located. All pre-discharge and post-discharge radiological measurements have resulted in levels less than Site Specific Standards.

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? No

- 1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
- 2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: UP Veterans Affairs Emp. No: [REDACTED] Date: 8/1/02 Ext: 5354

PART II

RADIOLOGICAL ENGINEERING

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

These materials were used and stored in non-radiological areas. The materials have never been used or stored in a radiological area. Based on history, process knowledge of the areas, and the attached radiological surveys, the materials specified in Part I of this evaluation may be free (unrestricted) released with no further radiological characterization required. (See attached contact record for information regarding characterization requirements). ALL SOILS SHALL BE REMOVED FROM MATERIALS PRIOR TO DISPOSITION. THIS RELEASE EVALUATION DOES NOT APPLY TO SOILS.

Custodian, retain a copy of all documents required by this release evaluation. The sender/custodian is responsible for ensuring a copy of this release evaluation is available for auditing/due diligence purposes. Also, ensure that only materials included in Part I of this evaluation are included; DO NOT ADD materials to this disposition without contacting the cognizant Radiological Engineer. THIS RELEASE EVALUATION DOES NOT APPLY TO SOILS; sender/custodian is responsible for the removal of soils from materials prior to disposition.

Evaluated: Chad Blake CBlake Emp. No: [REDACTED] Date: 8/1/02 Ext: 5909
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

Approved: [Signature] A/M Blake Emp. No: [REDACTED] Date: 8/1/02 Ext: 3050
Radiological Engineer

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTSRelease Evaluation #: 020801-RISS-001 Page 2 of 8**Release Evaluation for Waste:**

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

Release Evaluation for Property:

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

Release Evaluation for Samples:

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

"The samples specified in Part 1 of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."

Additional Documentation:

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page __ of __, initials of Radiological Engineer signing approval for transfer/shipment and date.

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INSTRUMENT DATA

Mfg.	Eberline	Mfg.	NE Electro	Mfg.	NE Electro
Model	SAC-4	Model	DP-6	Model	DP-6
Serial #	833	Serial #	1682	Serial #	1665
Cal Due	1/31/02	Cal Due	2/9/02	Cal Due	3/12/02
Bkg	0.2 cpm	Bkg	2 cpm	Bkg	2 cpm
Efficiency	33.00 %	Efficiency	21.50 %	Efficiency	21.30 %
MDA	20 dpm	MDA	43 dpm	MDA	44 dpm

Survey Type: Contamination

Building: Tent 14

Location: Tent and East of Tent

Purpose: Release Survey

RWP #: N/A

Date: 12/3/01

Time: 15:00

RCT: C. Ortiz

Print name

Signature

RCT: L. Meacham

Print name

Signature

Mfg.	Eberline	Mfg.	NE Electro	Mfg.	NE Electro
Model	BC-4	Model	DP-6	Model	DP-6
Serial #	905	Serial #	1682	Serial #	1665
Cal Due	7/26/02	Cal Due	2/9/02	Cal Due	3/12/02
Bkg	36 cpm	Bkg	444 cpm	Bkg	317 cpm
Efficiency	25.00 %	Efficiency	31.30 %	Efficiency	30.80 %
MDA	200 dpm	MDA	322 dpm	MDA	278 dpm

KYN/REN #: N/A

Comments: Pat and swipe locations 1 - 22 were taken on the inside of the tent, locations 23 - 44 were taken on the outside of the tent.

SURVEY RESULTS

Swipe #	Location / Description	Removable		Total	
		Alpha	Beta	Alpha	Beta
1	Results in DPM/100sq.cm Panel 1 - 4' over, 5' up	<20	<200	<44	<322
2	Panel 2 - 7' over, 3' up	<20	<200	<44	<322
3	Panel 3 - 9' over, 6' up	<20	<200	<44	<322
4	Panel 4 - 3' over, 4' up	<20	<200	<44	<322
5	Panel 5 - pole, 5' up	<20	<200	<44	<322
6	Panel 6 - 4' over, 6' up	<20	<200	<44	<322
7	Panel 7 - 5' over, 4' up	<20	<200	<44	<322
8	Panel 8 - 6' over, 2' up	<20	<200	<44	<322
9	Panel 9 - 8' over, 2' up	<20	<200	<44	<322
10	Panel 10 - 3' over, 5' up	<20	<200	<44	<322
11	Panel 11 - 4' over, 1' up	<20	<200	<44	<322
12	Panel 12 - 5' over, 6' up	<20	<200	<44	<322
13	Panel 13 - pole, 3' up	<20	<200	<44	<322
14	Panel 14 - 7' over, 2' up	<20	<200	<44	<322
15	Panel 15 - 2' over, 4' up	<20	<200	<44	<322
16	Panel 16 - 4' over, 3' up	<20	<200	<44	<322
17	Panel 17 - 4' over, 6' up	<20	<200	<44	<322
18	Panel 18 - 6' over, 4' up	<20	<200	<44	<322
19	Panel 19 - 3' over, 2' up	<20	<200	<44	<322
20	Panel 20 - 5' over, 1' up	<20	<200	<44	<322
21	Panel 21 - 8' over, 5' up	<20	<200	<44	<322
22	Panel 22 - 4' over, 4' up	<20	<200	<44	<322
23	Panel 23 - 7' over, 5' up	<20	<200	<44	<322
24	Panel 24 - 6' over, 3' up	<20	<200	<44	<322
25	Panel 25 - 6' over, 2' up	<20	<200	<44	<322
26	Panel 26 - 2' over, 4' up	<20	<200	<44	<322
27	Panel 27 - 1' over, 6' up	<20	<200	<44	<322
28	Panel 28 - 2' over, 1' up	<20	<200	<44	<322
29	Panel 29 - 9' over, 2' up	<20	<200	<44	<322
30	Panel 30 - 3' over, 5' up	<20	<200	<44	<322
31	Panel 31 - 3' over, 6' up	<20	<200	<44	<322
32	Panel 32 - 6' over, 4' up	<20	<200	<44	<322
33	Panel 33 - 5' over, 4' up	<20	<200	<44	<322
34	Panel 34 - 2' over, 5' up	<20	<200	<44	<322
35	Panel 35 - 4' over, 6' up	<20	<200	<44	<322
36	Panel 36 - support rail, 10' over	<20	<200	<44	<322
37	Panel 37 - 7' over, 3' up	<20	<200	<44	<322
38	Panel 38 - 8' over, 2' up	<20	<200	<44	<322
39	Panel 39 - 3' over, 5' up	<20	<200	<44	<322
40	Panel 40 - 5' over, 4' up	<20	<200	<44	<322
41	Panel 41 - 9' over, 2' up	<20	<200	<44	<322
42	Panel 42 - 7' over, 1' up	<20	<200	<44	<322
43	Panel 43 - 4' over, 6' up	<20	<200	<44	<322
44	Panel 44 - 6' over, 3' up	<20	<200	<44	<322
45	Generator - grill	<20	<200	<44	<322
46	Generator - top	<20	<200	<44	<322
47	Generator - grill on back	<20	<200	<44	<322
48	Generator - grill on end	<20	<200	<44	<322
49	Generator - grill on end	<20	<200	<44	<322
50	Diesel - side of enclosure	<20	<200	<44	<322

Date Reviewed: 12-5-01

RS Supervision:

Steve Gernatt

Print Name

Signature

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02080/

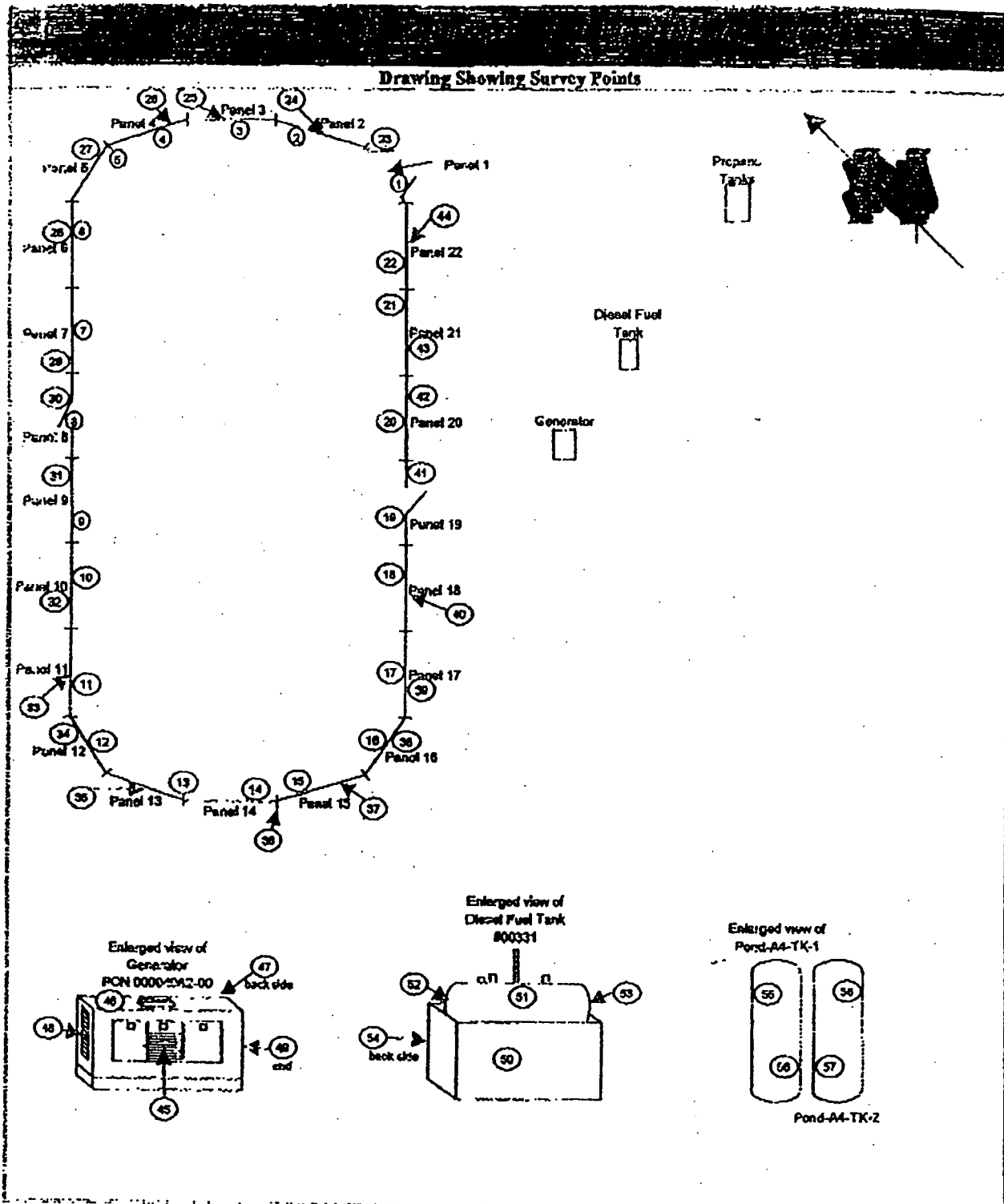
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SURVEY RESULTS

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#01210-RISS-001 pg 5 of 8

Pond A-4 Tent (Tent 14) System Equipment Listing

ITEM	BRAND	SERIAL #	PROPERTY #	NDT TANK #	AIR EMISSIONS INVENTORY #
20,000 gal GAC tank	Calgon Model 10	7071-1	00063124-00	2811	N/a
20,000 gal GAC tank	Calgon Model 10	7071-1	00063124-00	2812	N/a
20,000 gal GAC tank	Calgon Model 10	7071-2	00063125-00	2813	N/a
20,000 gal GAC tank	Calgon Model 10	7071-2	00063125-00	2814	N/a
1000-gal propane tank	FerrellGas	N/a	N/a	2978	00332
1000-gal propane tank	FerrellGas	N/a	N/a	2979	00333
40-KV diesel powered electric generator	Kohler	257802	00094082-00	N/a	N/a
500-gal Diesel fuel tank for above generator	Eaton Metal Products - Denver	7392	00061663-00	2980	00331
Overhead light system inside tent	Day-Brite	N/a	N/a	N/a	N/a
Overhead infrared heating system inside tent	Re-Verber-Ray Detroit Radiant Products	N/a	N/a	N/a	N/a
Piping and breaker box for above systems	N/a	N/a	N/a	N/a	N/a

070801 43 1088

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

Date/Time: November 27, 2001/0930

Site Contact(s): Dyan Foss
Phone: 7577

Regulatory Contact: Mark Aguilar
Phone: 303-312-6251

Agency: EPA

Purpose of Contact: Characterization required for Tent 14 (aka Pond A-4 Tent) disposition.

Discussion

On November 1, 2001, e-mail was sent to Mark Aguilar, which documented the following information: There is a tent in the buffer zone by pond A-4. There may be an offsite company that wants to take possession of the activated charcoal and the tanks in a "package deal." The Pond A-4 (aka Tent 14) Tent would have to come down first. There is no other way to remove the tanks, since the tent was built around them. The tent has a portable generator, propane tanks, aboveground piping, and overhead heaters/lights.

The Pond A-4 Tent (aka Tent 14) is located at a remote site in the RFETS East Buffer Zone adjacent to Pond A-4. Since no hard-lined utilities are available in this area, a diesel-powered power generator and propane-powered heaters are utilized at the tent to provide utility service. Installation of this tent was completed in FY92 to provide freeze protection and shelter for the Pond A-4 Surface Water Treatment System. Water from Pond A-4 was pumped through this treatment system to remove herbicide (weed killer) residues. Herbicides applied by the Site protective force and Union Pacific Railroad Co. (on the Site's west border) were transported by stormwater runoff into Pond A-4. Herbicide components (Atrazine and Simazine) were detected in the raw pond water during routine water quality sampling. Before discharging the water offsite, the herbicide components had to be removed to meet discharge standards. A staged treatment system, utilizing 10 micron and 1 micron fabric filter bags followed by granular activated carbon adsorptive media, was installed by Riedel (an EG&G subcontractor) and was effective at removing the herbicide components from the water. A Site moratorium was placed on weed spraying activities, and treatment was curtailed in 1992 when herbicide components were no longer detected in the raw pond water. Pond water pumping operations (without any treatment) have continued to the present day, and direct (gravity) discharging of

several ponds has been performed since 1997. None of the treatment equipment has ever contacted any radiological materials (above normal background levels) nor been inside any radiation areas. All pre-discharge and post-discharge radiological measurements of pond water samples have shown levels below the Site specific standards.

The tanks have been characterized in accordance with the property release evaluation (PRE) criteria and can be released off-site. DOE/K-H would like to use the same process for dismantling the tent, so that the tanks could be removed. DOE/K-H have used the PRE process for facilities in the past, with LRA approval.

On November 13, 2001, the tent was toured by Mark Aguilar, Steve Tower, Chad Blake, Steve Gernatt, Dyan Foss, and Craig Hoffman. The history of the facility and property release evaluation process was discussed. Mr. Aguilar indicated that the property release evaluation process seemed appropriate, but he wanted to verify with CDPHE that they had no problem with releasing the tent as property.

On November 27, 2001, Mr. Aguilar contacted Dyan Foss and indicated that it was acceptable to release Tent 14 (aka Pond A-4 Tent) through the property release evaluation process. Mark would like a copy of the completed release evaluation before tent dismantlement.

Contact Record Prepared By: Dyan Foss

Required Distribution:

S. Tower, DOE
J. Thompson
G. Hoffman
C. Blake
D. Shelton
S. Nesta, K-H

F. Gibbs
S. Nesta
V. Guthrie
D. Kruchek, CDPHE
S. Gunderson, CDPHE
Administrative Record File

Additional Distribution:

